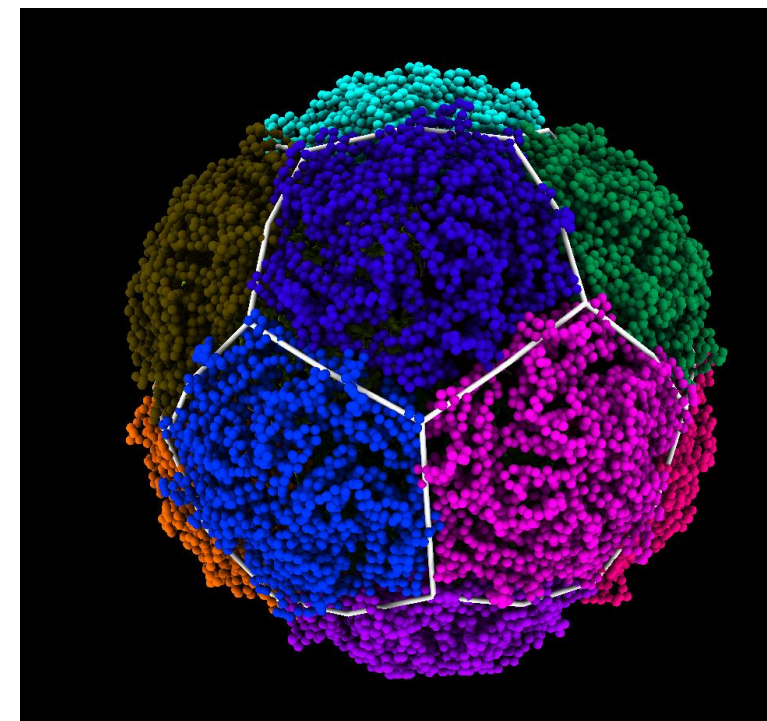
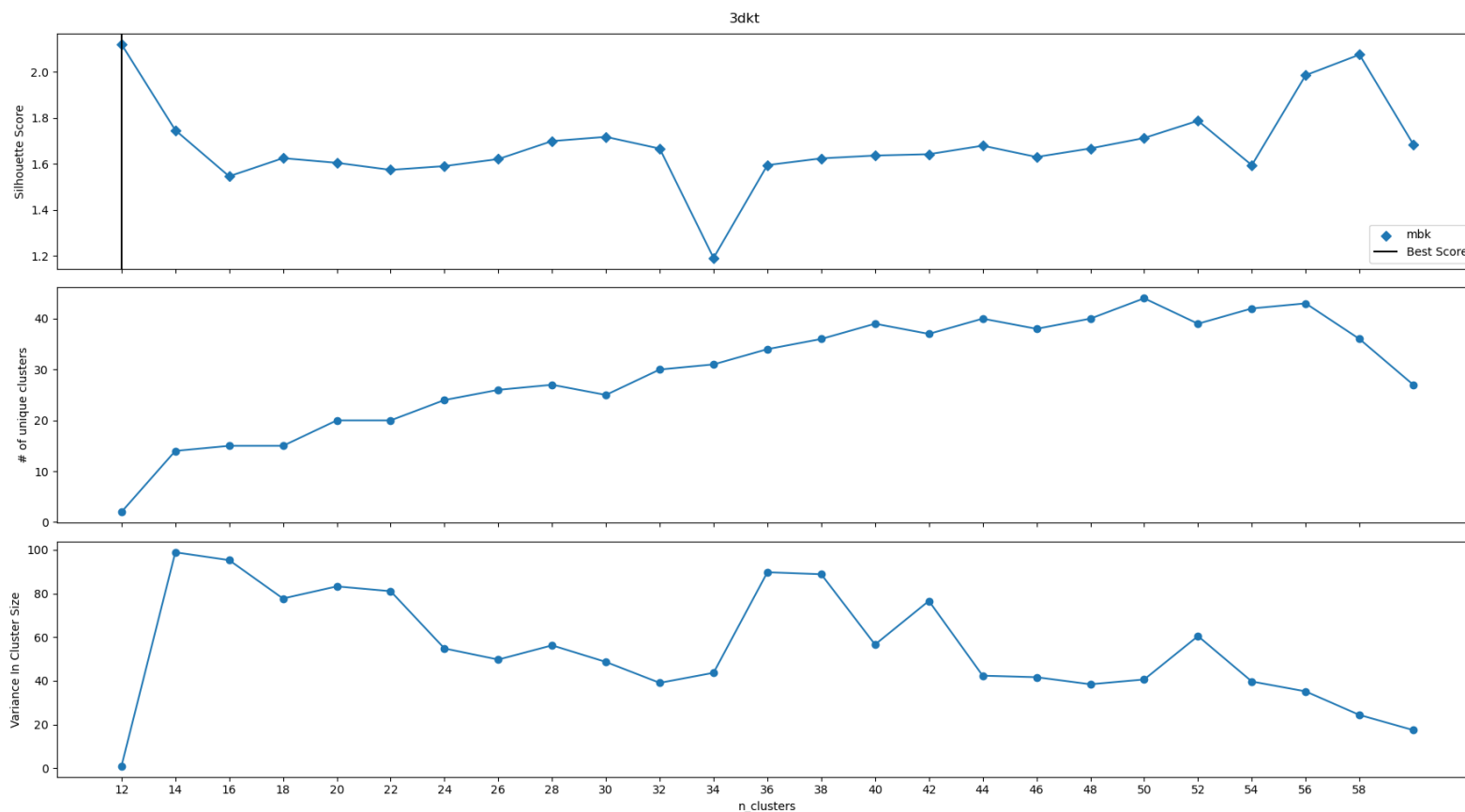


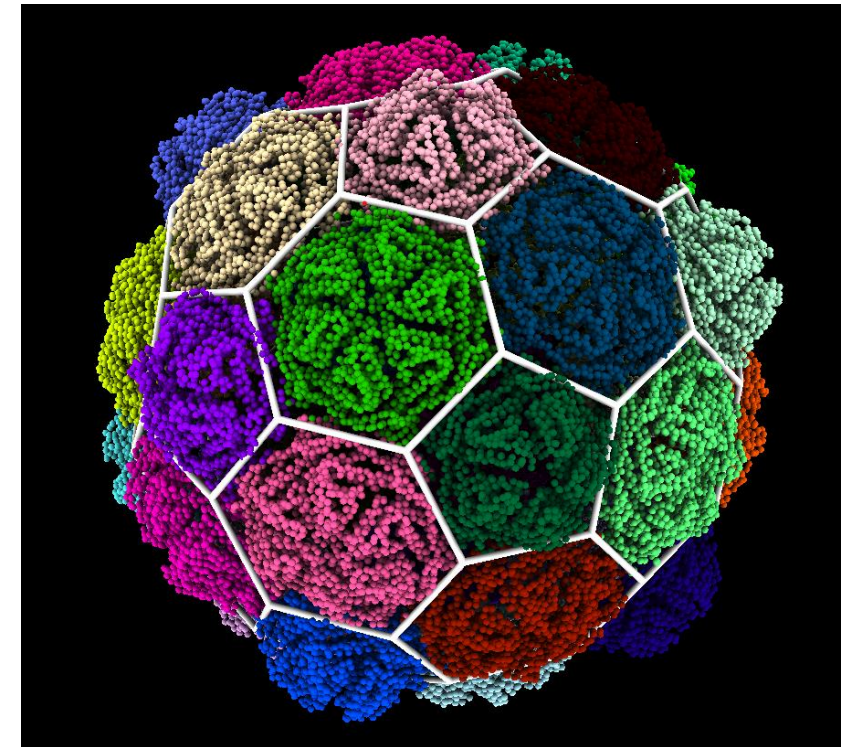
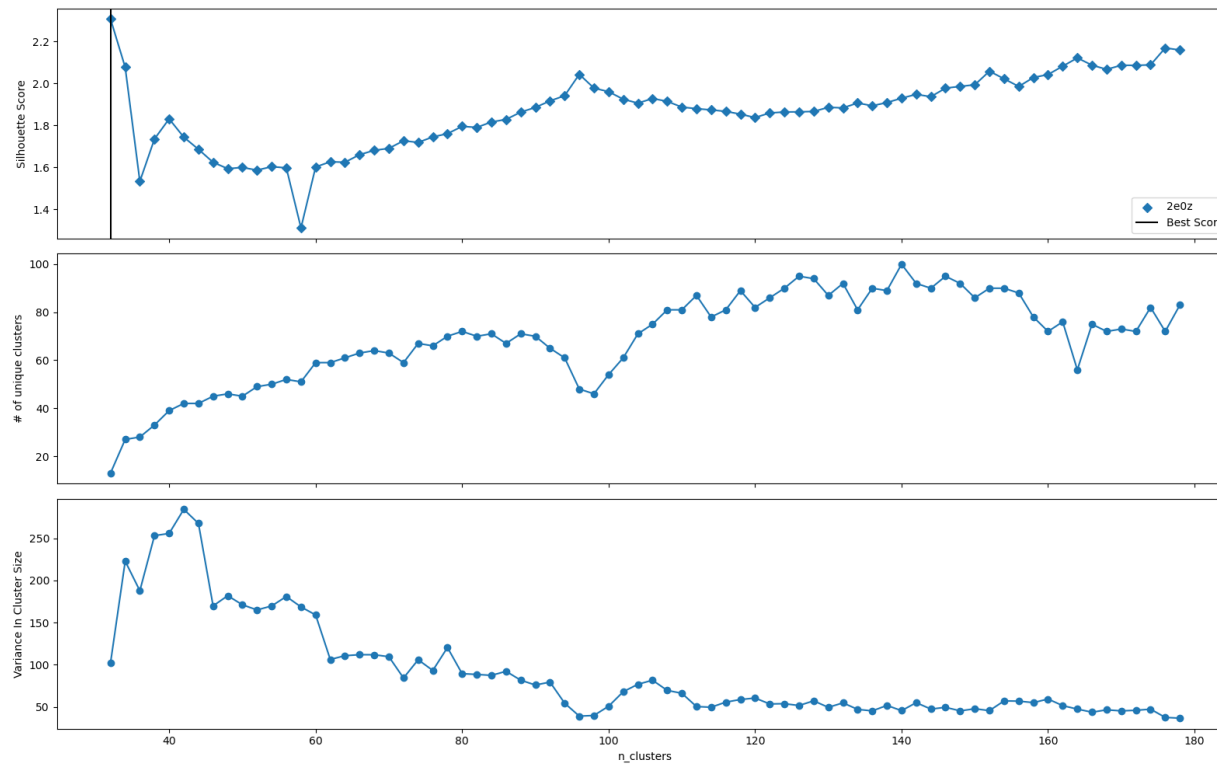
HK97 Results

Thermotoga Maritima Encapsulin (3dkt)



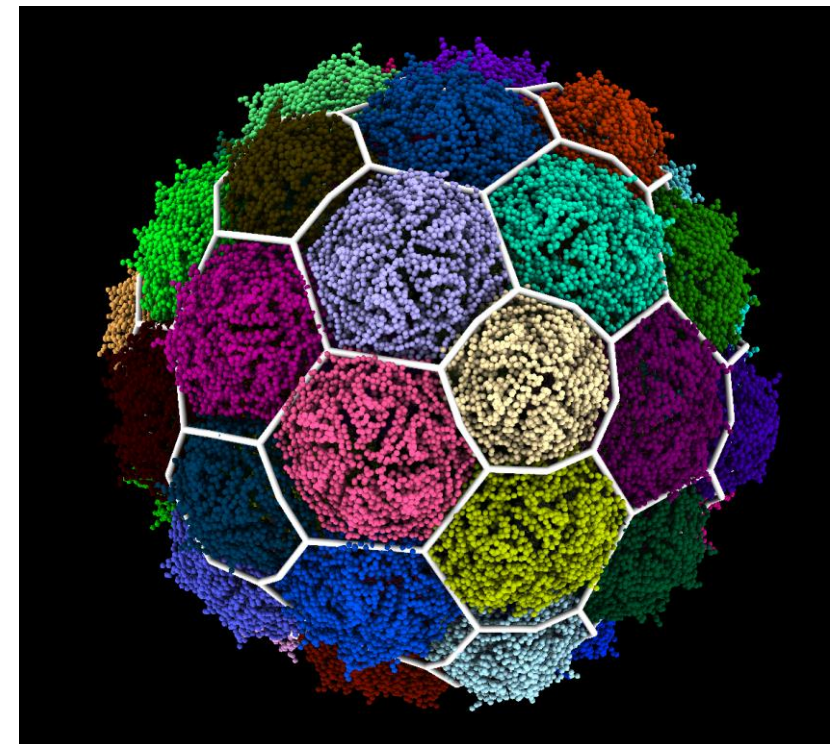
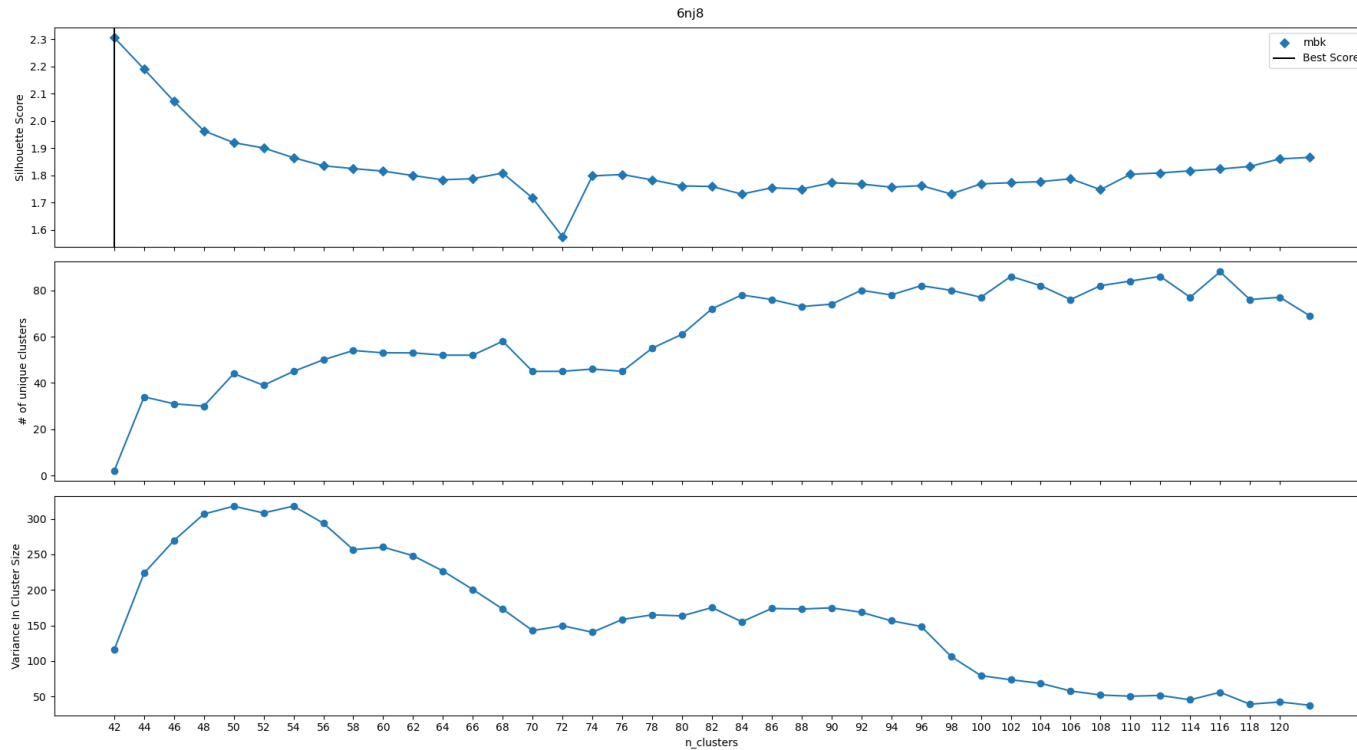
T=1 Hexagonal

VLP From *Pyrococcus Furiosus* (2e0z)



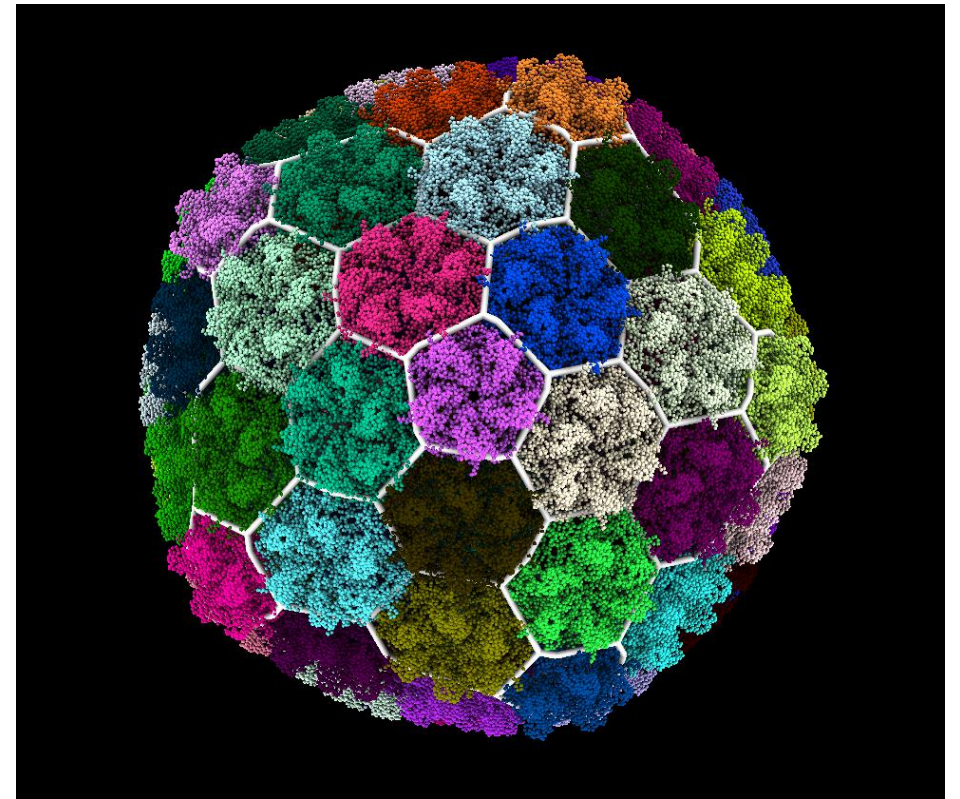
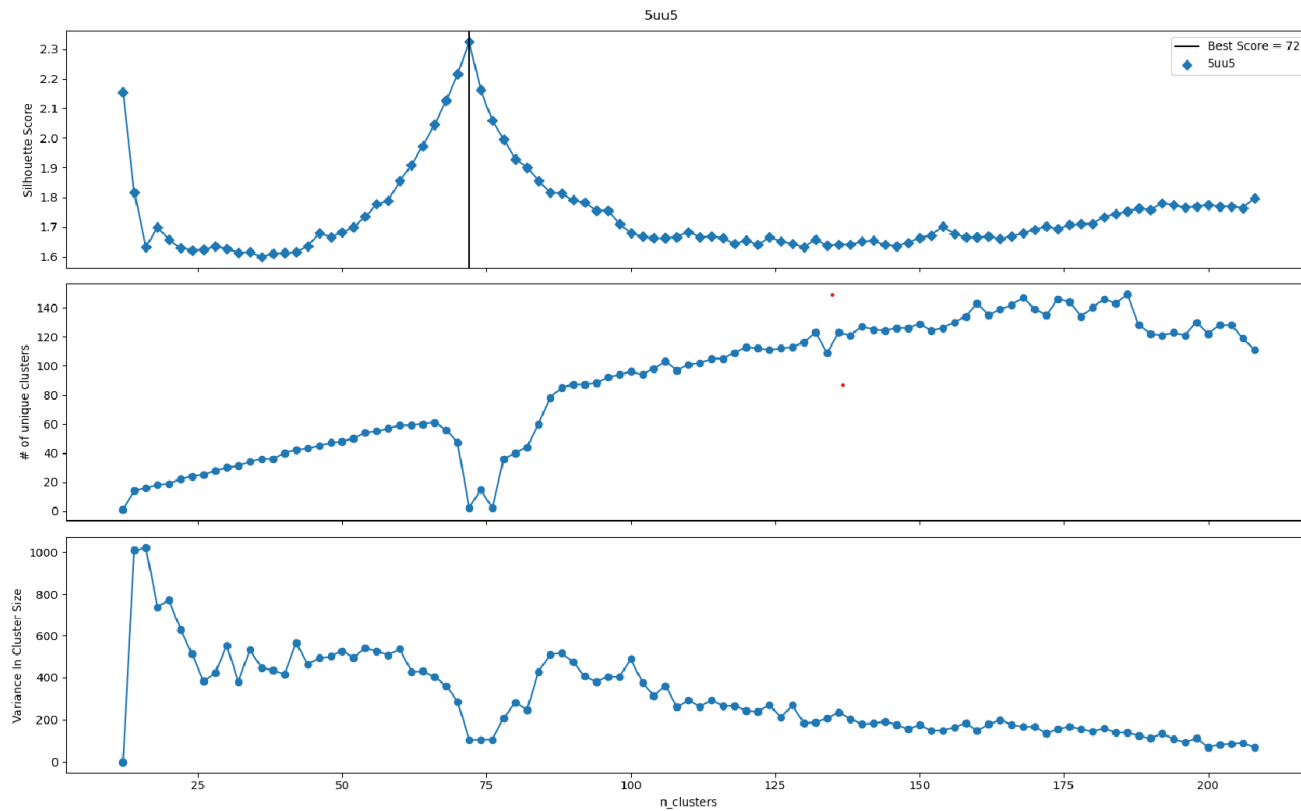
T=3 Hexagonal

Iron Storage Encapsulin From *Quasibacillus thermotolerans* (6nj8)



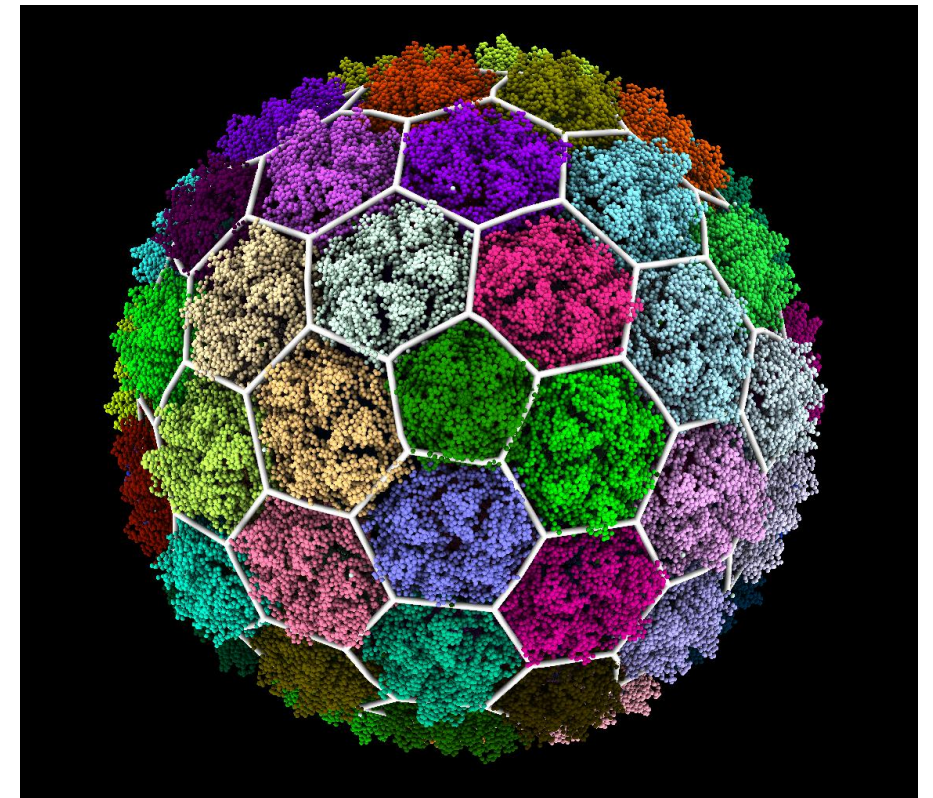
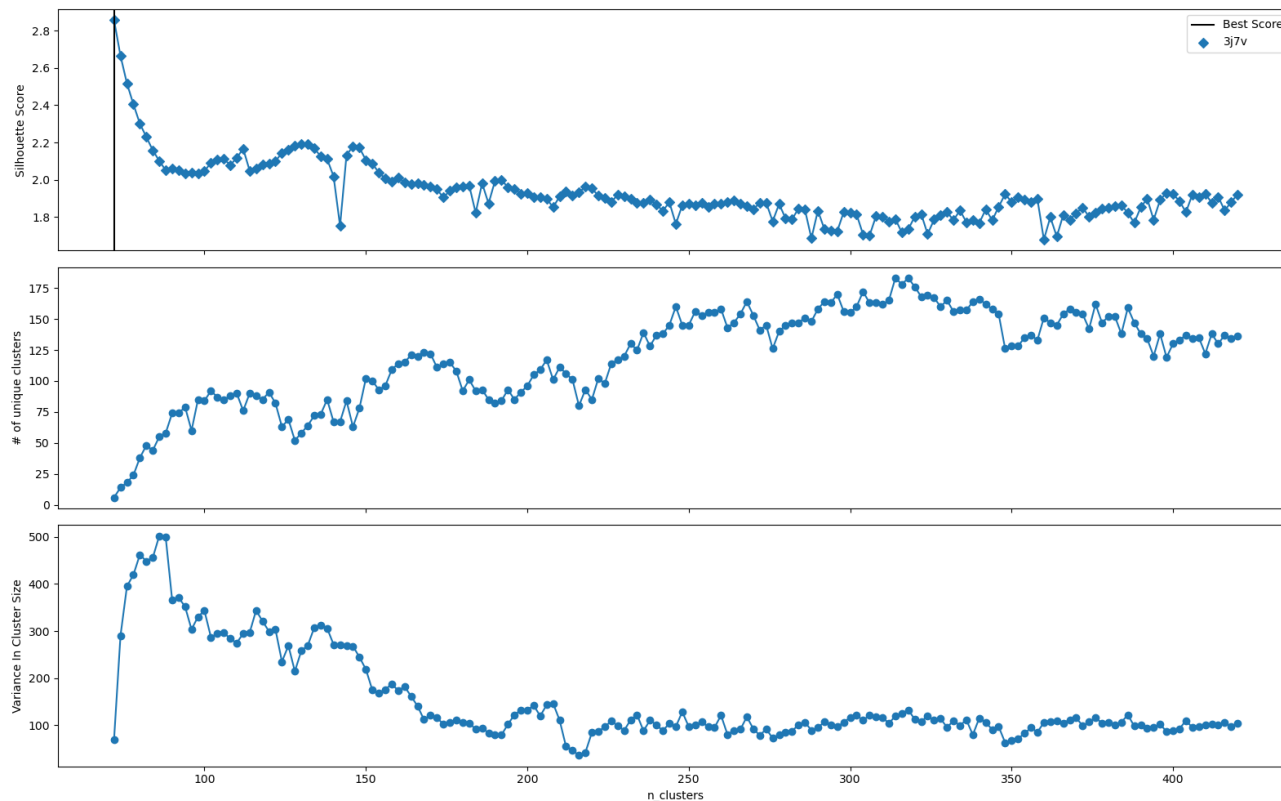
T=3 Hexagonal

Bacteriophage P22 Mature Virion (5uu5)



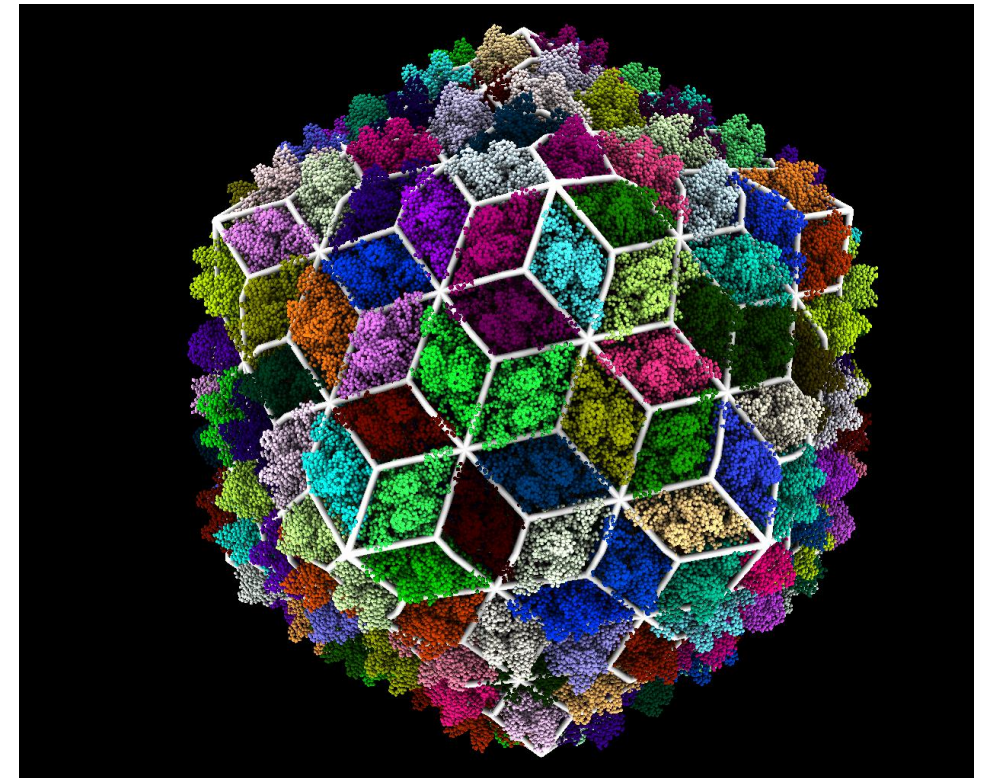
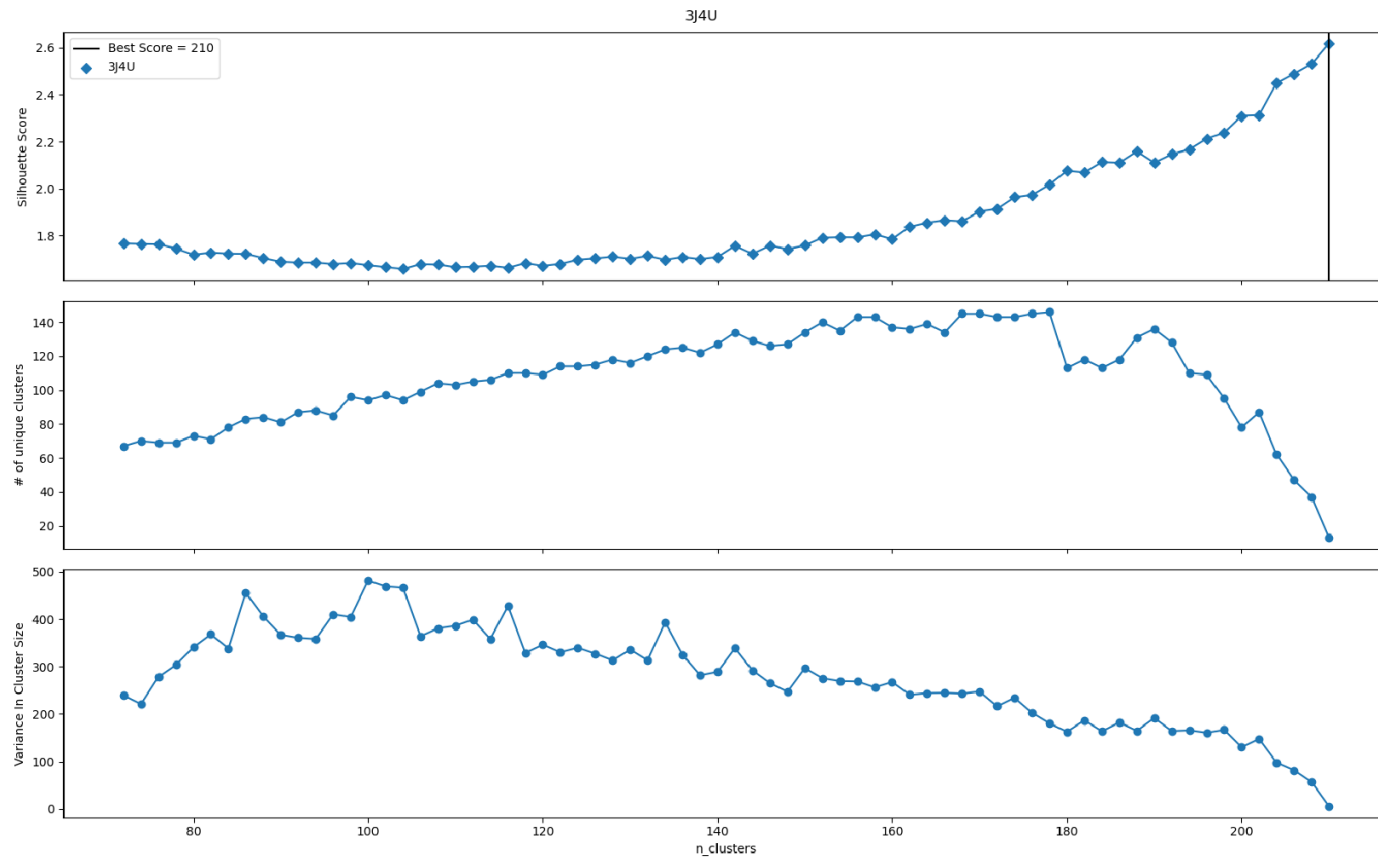
T=7 Hexagonal

Bacteriophage T7 Procapsid (3j7v)



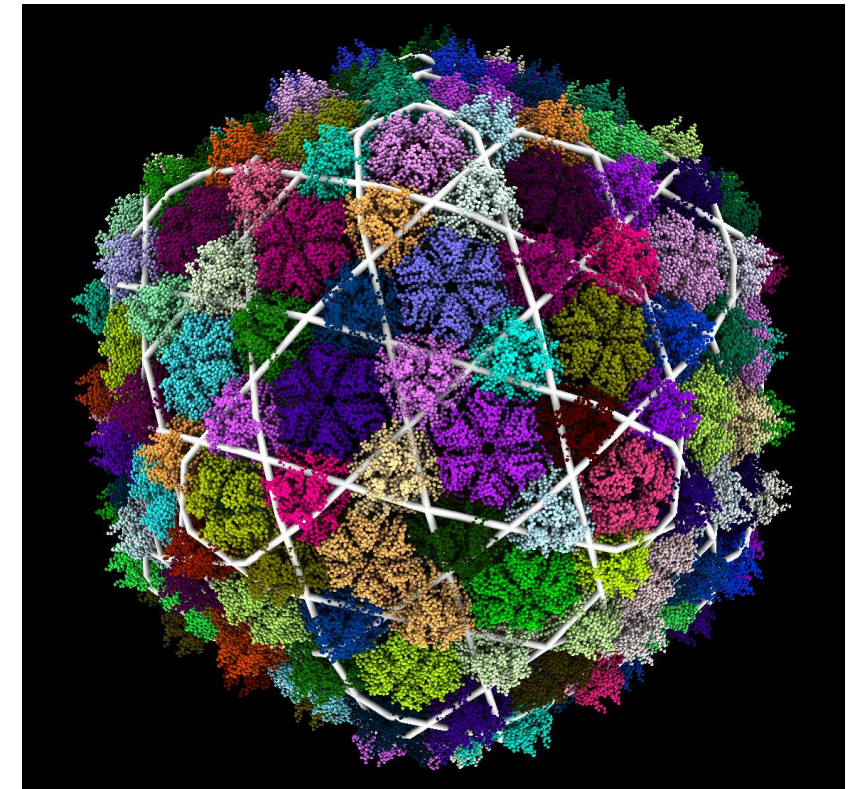
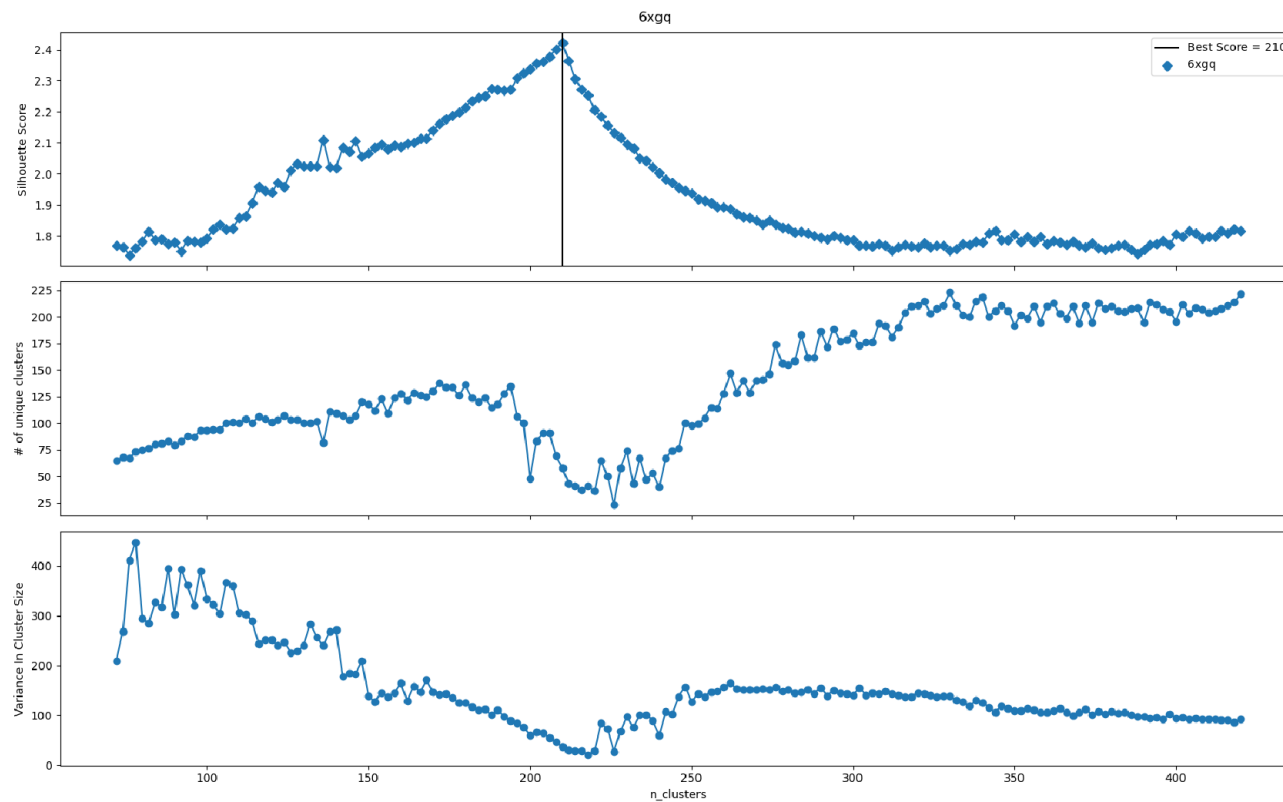
T=7 Hexagonal

Bordetella Bacteriophage (3j4u)



T=7 Trihexagonal-Dual
(Imperfect Subdivision)

YSD1 Bacteriophage (6xgq)



T=7 Trihexagonal
(Imperfect Subdivision)

Discussion

- ▶ P22 lacked reinforcement proteins and was labelled as hexagonal
- ▶ Bordetella and Phage YSD1 had reinforcement proteins around the local 2-fold and 3-fold axes respectively and were labeled as trihex-dual and trihex.
- ▶ This suggests the presence and location of reinforcement proteins could determine lattice structure.
- ▶ Both Bordatella and YSD1 had error in their label assignments. The tool becomes less accurate at a large number of clusters.